

Docket: D2737
Serial No. 10/062,785

In the specification:

Replace paragraph 0018 with the following:

A2
0018] According to another aspect of the present invention, a device 100 for the transmission of graphical data to an addressable remote device is provided. The device comprises: an input module 101a, adapted to receive and store graphical data input by a user; and a communication module 101b adapted to transmit said graphical data received by the input module 101a to a remote server 102, the remote server 102 being operatively connected to an addressable display interface 103 adapted to selectively display graphical data on at least one remote display device 104, wherein in response to at least one user instruction the graphical data is received by the input module 101a, the communication module 101b transmits the graphical data to the remote server 102, wherein the remote server 102 transmits the graphical data to the display interface 103 and wherein the display interface 104 overlays the graphical data on video content displayed on the display device 104. The input device 101 includes a wireless transceiver 101b to send and receive wireless signals to and from server 102 over a bi-directional wireless link. While infrared communications protocols may be used to implement the wireless communications, in most applications of the invention, a connection providing broader bandwidth is more preferable. For example, wireless radio frequency ("RF") protocols, such as IEEE 802.11b, Bluetooth®, RangeLAN® or HomeRF®, provide higher data rates and are not limited to line-of-sight applications. In other embodiments of the invention, input device 101 may communicate with server 102 over a bi-directional wired link such as a coaxial cable.

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Please replace paragraph 0021 with the following:

A3 [0021] Display device interface 103 is adapted to display the received graphical data on the video stream displayed on an associated display device 104. Preferably, the server 102 and the device interface 103 are combined in an addressable set-top box adapted to display graphical data received on an associated display device 104 such as a television, for example. The video image displayed by display device 104 is then overlaid with the graphical data received by display interface 103. In this fashion, a viewer of a broadcast video stream can overlay graphical data onto the video stream and display the composite video image on the display device.

Alternatively, the functionality of server 102 and the device interface 103 can be incorporated into a Personal Video Recorder (PVR) device 107, as shown in FIG. 1, thereby supplementing the traditional record and playback capabilities of a PVR by providing the capability to record the transmitted graphical data and overlain video image for playback at a later time.

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Please replace paragraph 0026 with the following:

A4
[0026] In some embodiments of the invention, (see FIG 1) various servers 102 located on various subscriber premises can be connected in a Peer-To-Peer network 105 so that a given subscriber can selectively overlay graphical data onto a broadcast video stream being watched by other subscribers. Thus, in some embodiments a plurality of remote display interfaces 103 can be arranged in a peer-to-peer network 105, as shown in FIG 1. The present invention allows the graphical data to be transmitted to as few as one subscriber or to the entire network of subscribers as desired. To this end the user instruction sent from the input device 101 to server 102 includes, in addition to the graphical data, a destination address of the selected subscribers who are to receive and display the graphical data. If server 102 is an Internet server, it may directly transmit the user instruction over the Internet 106 to the selected subscriber or subscribers corresponding to the destination address or addresses included in the user instruction. Alternatively, if server 102 is an addressable set-top box, it may directly transmit the user instruction to selected subscribers via the cable network 106 to which it is operatively connected. In this way a subset of viewers of a television broadcast, for example, can independently communicate graphical information with each other simply by describing a desired graphic on the input device 101, and transmitting it to a desired address for viewing in conjunction with the television broadcast.